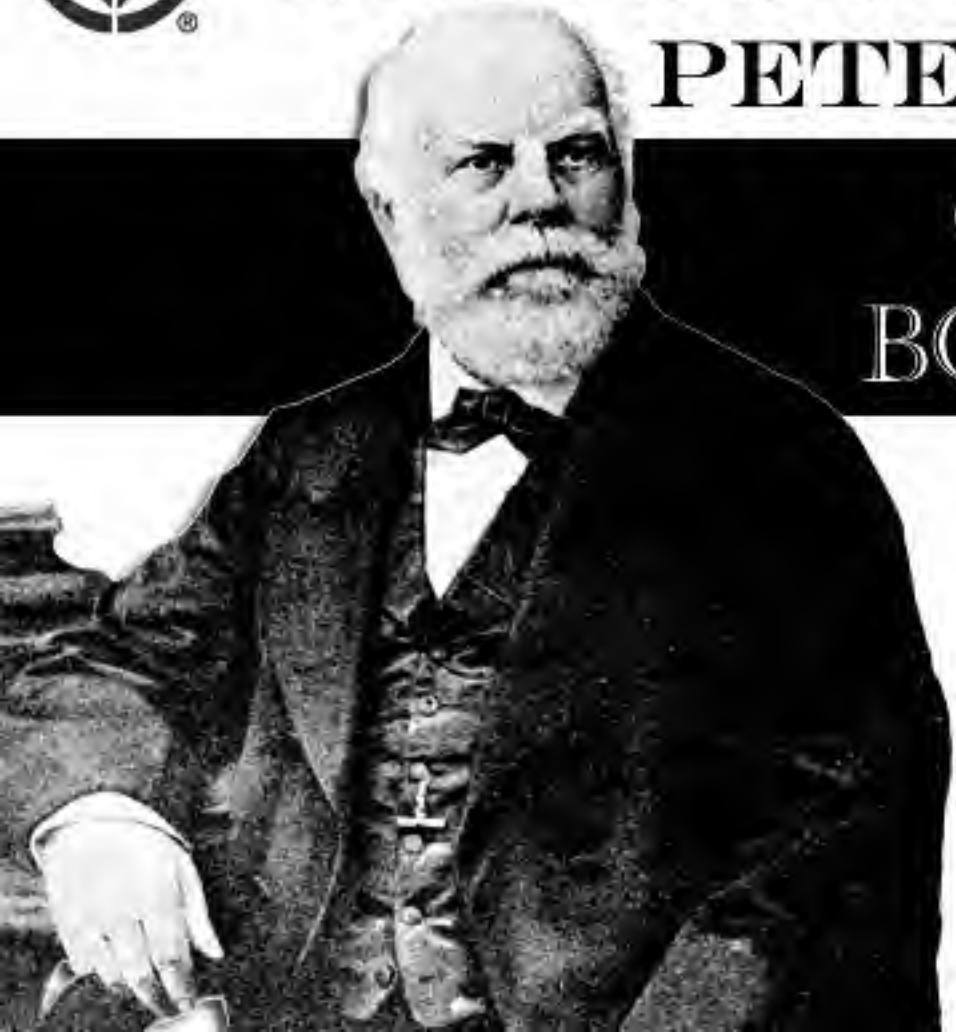




MISSOURI BOTANICAL GARDEN

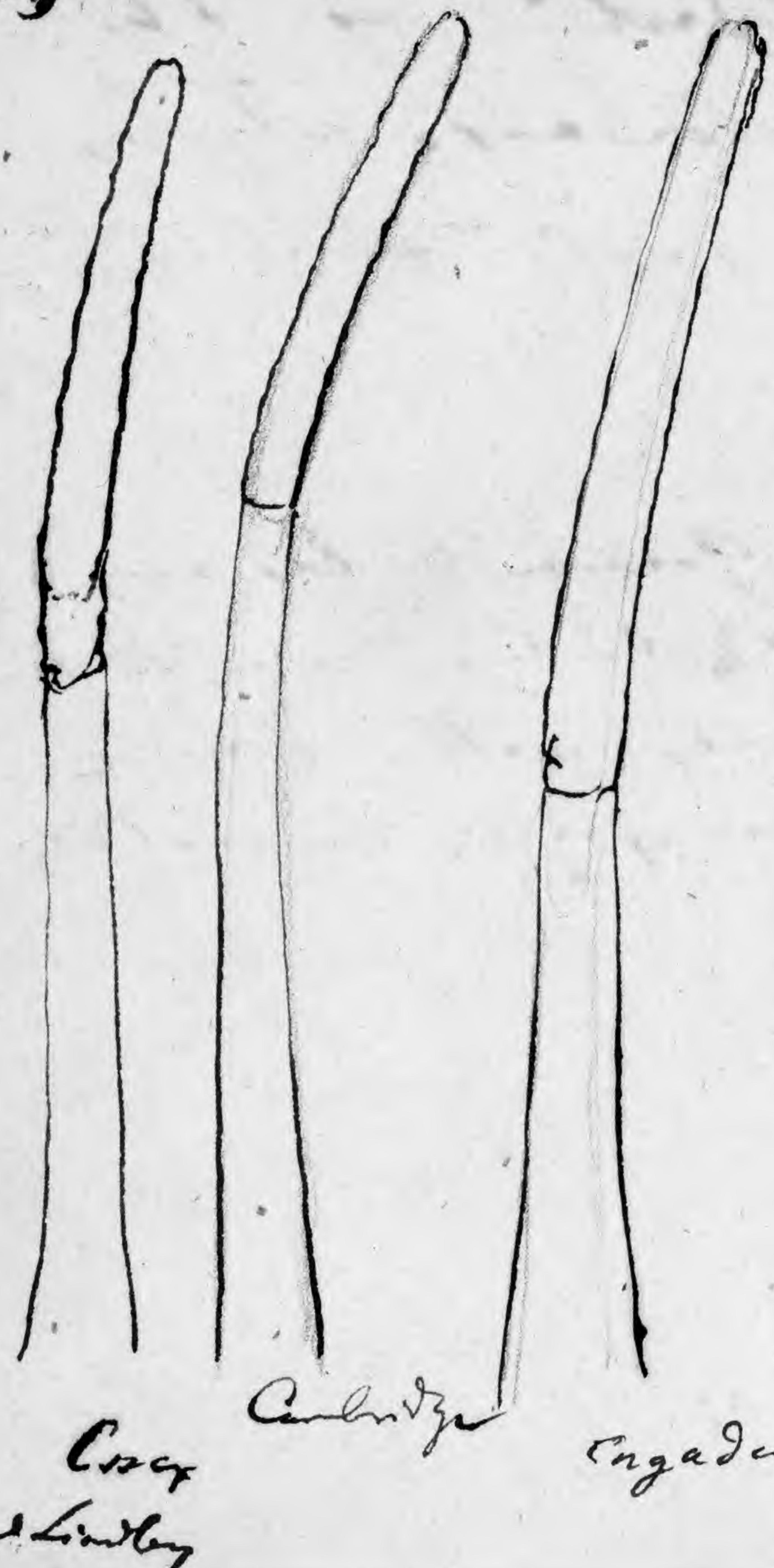
PETER H. RAVEN LIBRARY



GEORGE ENGELMANN BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

135



Cervantes Bipinni Dab.!

Post & Co. Purple

Ch'. C. Brabré Leg.

The common *C. Bipinni*, perhaps with a little larger anthers — scales as usual or smaller than in many german forms: calyx lobes oval, shorter than tube of Corolla; flowers 1.5—1.7 long pedicellus — stigmatic part of style rather shorter than the rest

The spec. from Cambridge has a yet shorter calyx, shorter style & stigmas — small scales over



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



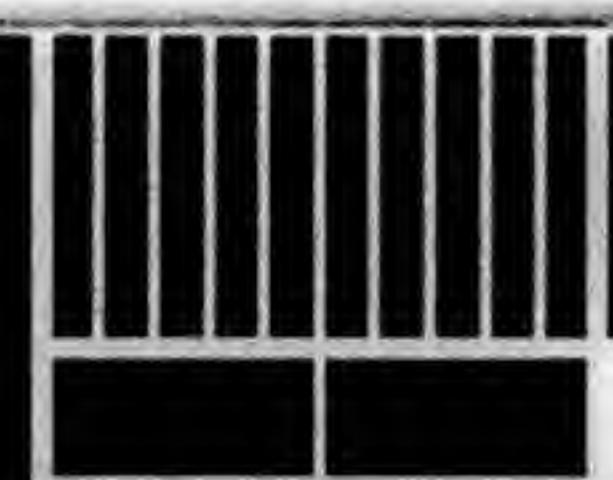
MISSOURI
BOTANICAL
GARDEN

The plant of Lindleyi - Herb var. Bidii is the same thing with a little smaller flowers; styles like the Essex plant; calyx lobes ovate shorter than tube of Corolla.

c. Triplici Eugedi 4000' high, Grindelia has very large many flowered heads - flower $1\frac{1}{4}$ in long or with the rather long pedicel fully 2 inches. scales with small styles shorter than the stigmas - lobes of calyx lanceolate, as long as Corolla

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

4328

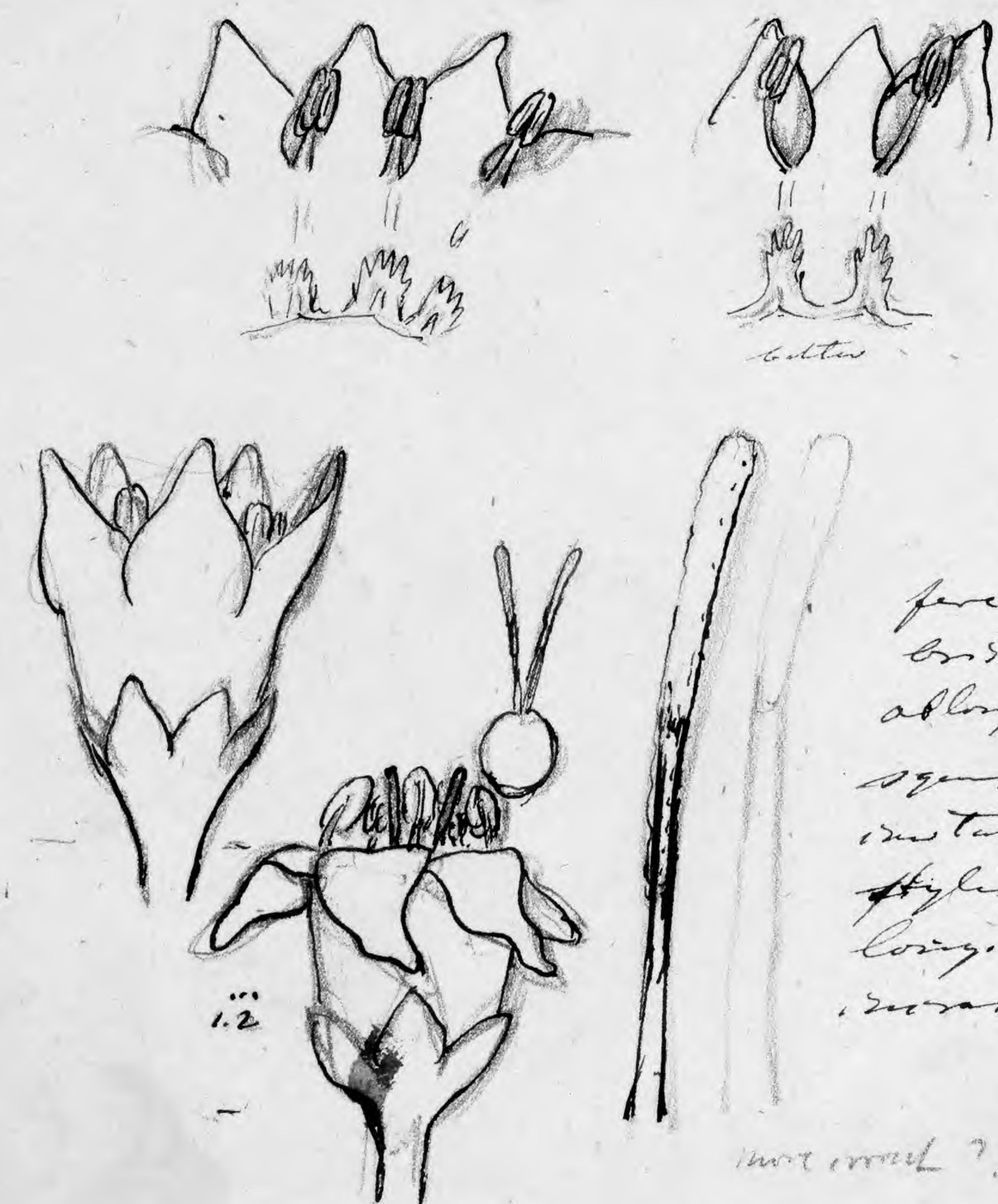


0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN



Cavoto

Reichenb. fil N. 6

Mis de Tenda, Piemont

'on *Arenaria*

floribus glomeratis brevipedicellatis
valvulis bruci capite late lobis
ovatis acutis sulcatis bruciis rufis
tubus rosilla pufi lutei primi dnis
bruciis; lobiis rosilla tubae
per aequilateris ovatis contractis im-
bricatis; staminibus bruciis anthais
oblongis filante filo pri jauillo bruciis
sguis nudi tuba vix attenuatis,
ovata adnatis, ovulis dentatis.
Style ovario globoso parvo diplo-
longioribus; fibula stigmaria clavellata
succinata, style ipsius ~~longior~~
~~subtilis~~ acute

more exact?



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4329

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

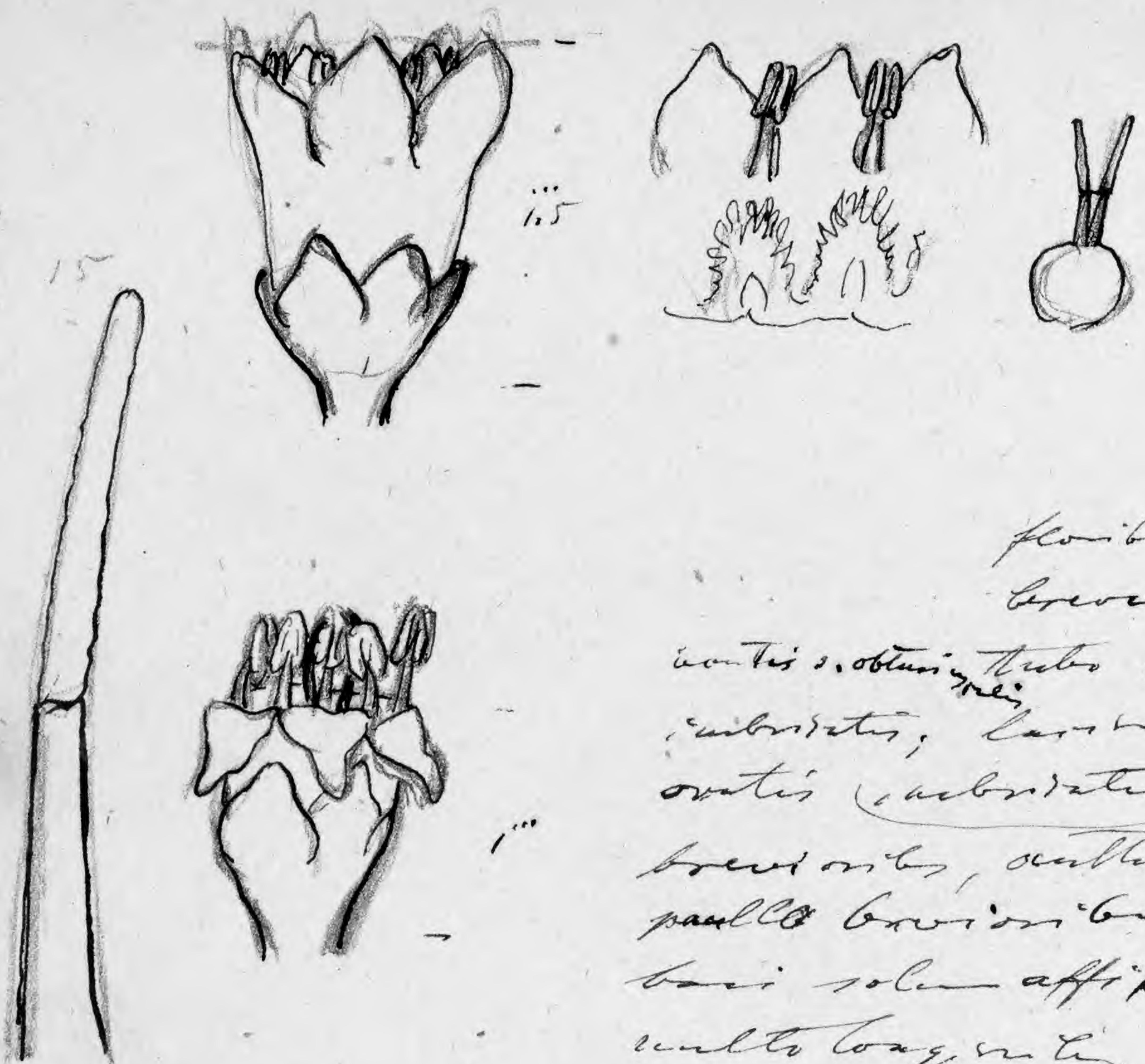


0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN



Eupithecia *Eupithecia* var. *hortensis*
on shrubby plants in the
greenhouses in Carlsbad
burying it perennial and
a very noxious weed.

flavas bracts more pubescent; valvulae
brevis rami crenati lobis triangulari
acute, obtusis tubo ex. (multo levioribus late apiculatis)
subrotundatis, latus tubo paucis brevioribus trapezoides -
ovatis (subrotundatis, respicit), staminis virg.
brevioribus, acutius oblongis flantes subulatis
paucis brevioribus; segnis ovatis fibratis
basi sole affixis, connatis, stipulis ovatis
multo longioribus.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4330

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



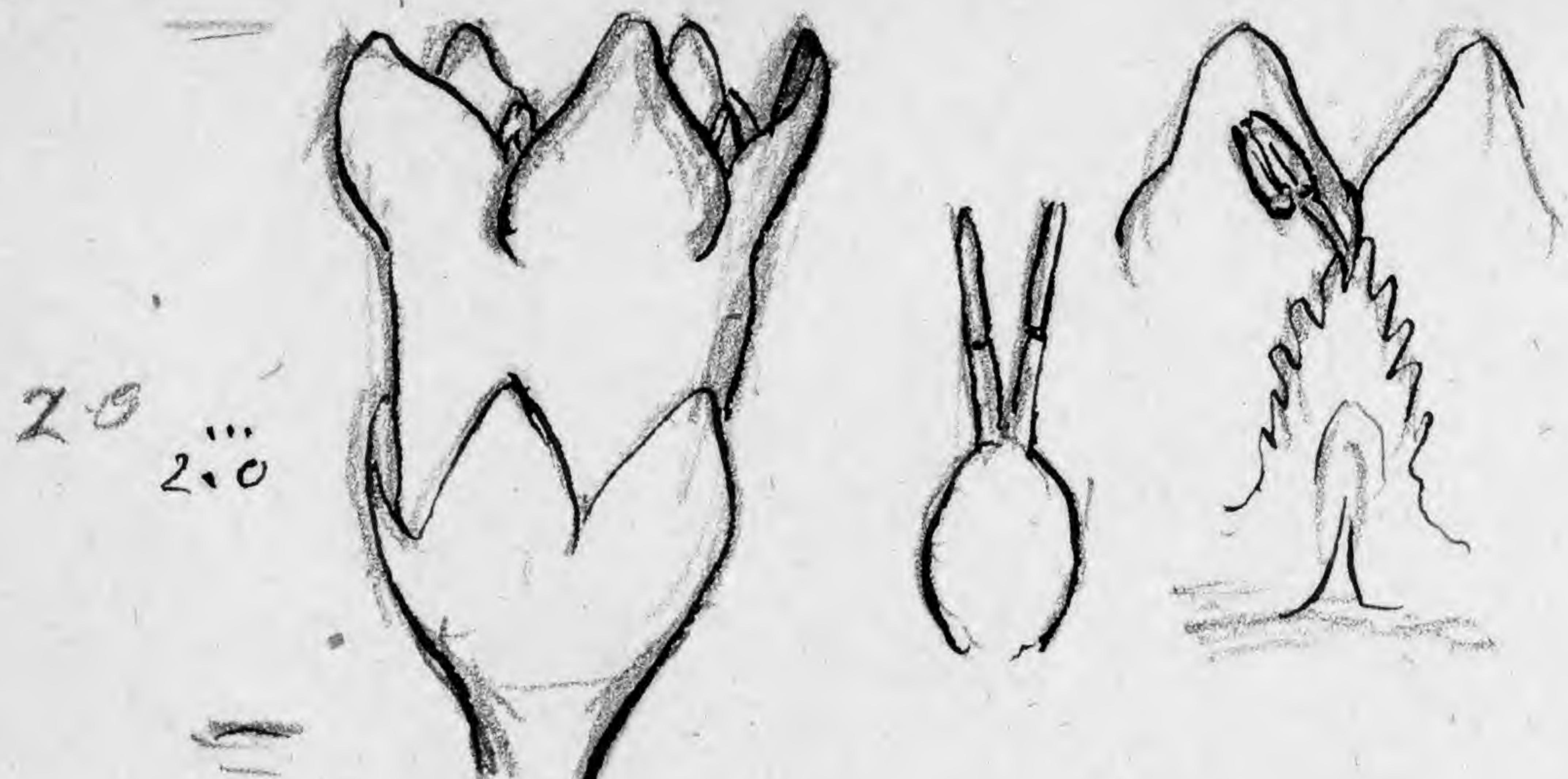
0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN



Currant Epiphyte on .

Kunze Flora 31. (1846) p. 655
Willdenow herb. tipus. N. 52. a
Ex - Sicca di Chiva, on
Rosmarinus, May 1844

This seems to be the true Epiphyte,
but I find - the same globose
flowers with long, exsert tube
as others with tube shorter than
calyx; calyx imbricated and
not - its - flowers always
somewhat pedicellate



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4331

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

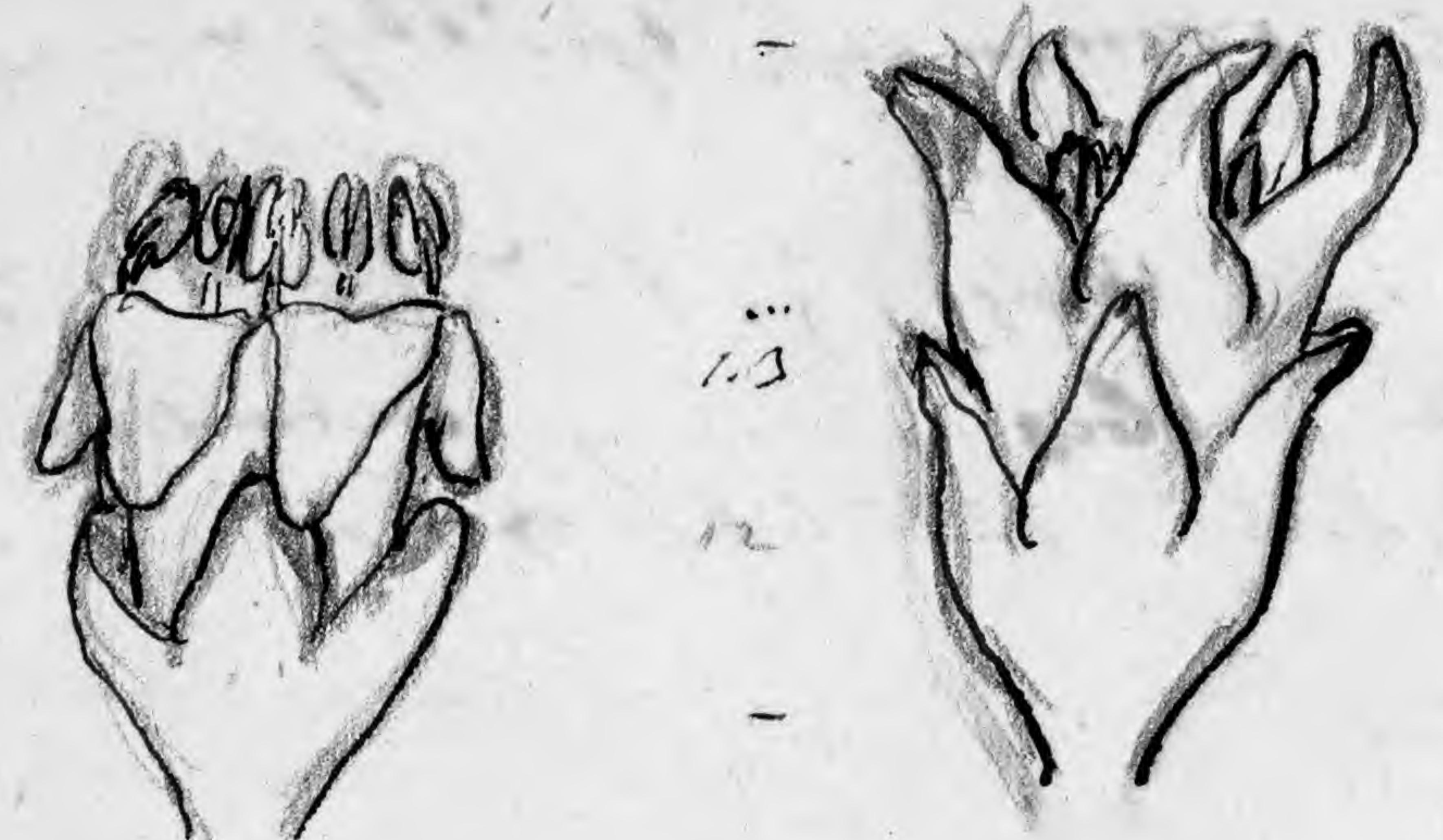


0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN



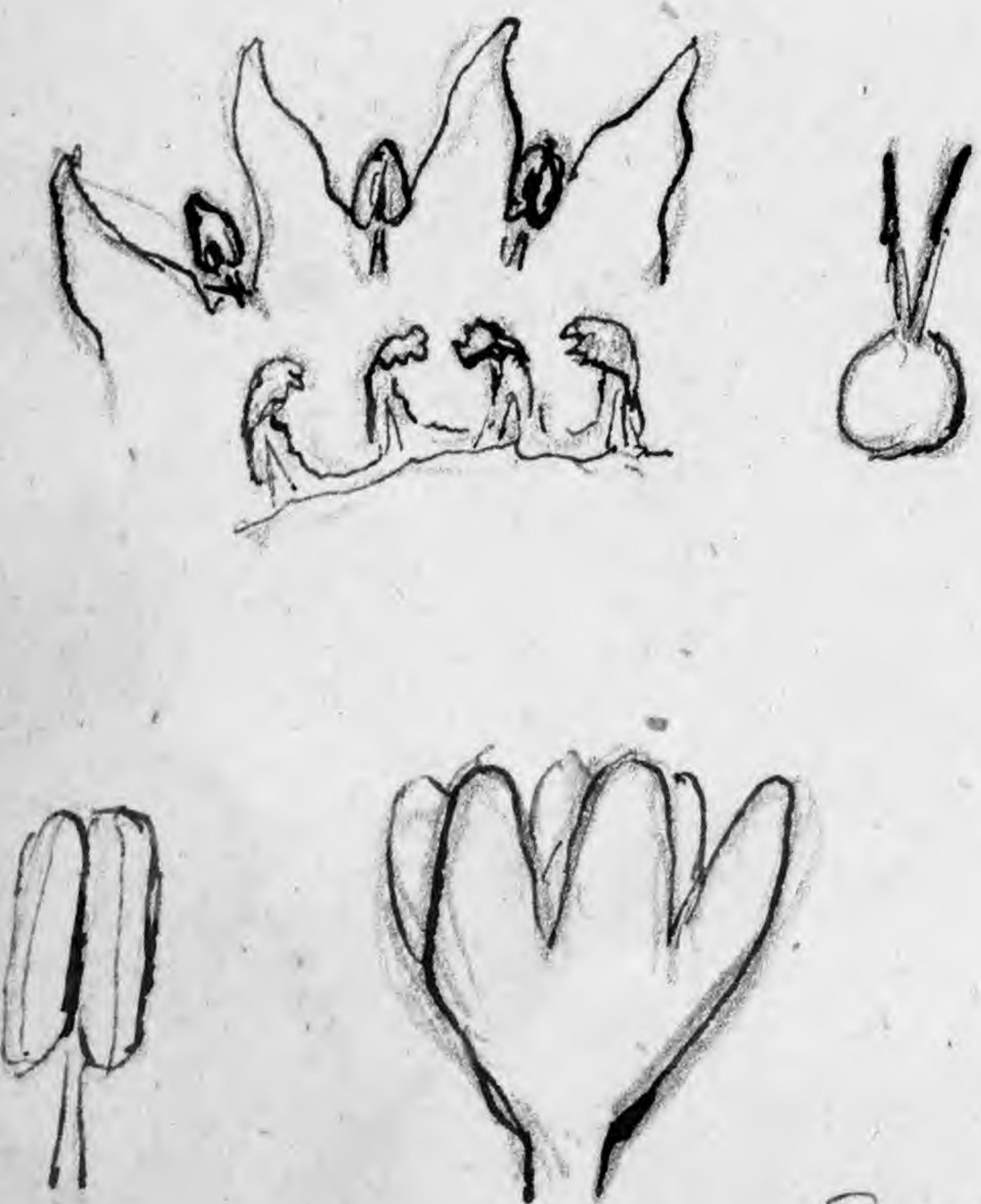
Crossandra macroanthera

Heldreich & Sartori

In Dicks Dig. 2. p. 126

Parnassus

Ex herb. reg. Bur.



Paris, lower

This seems to be a form of *C. Epiphyta*. I find some with a very thin - short Calyx, obtuse lobes, others with calyx as long as tube of Corolla, a little thicker colored, and in these also the lobes of Corolla more acute. - flowers with very short pedicels - styles same as the common form. The only remarkable difference is in the very narrow scales which are very little pubescent. Glomerules smaller



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

with flower flowers than in the common Epithymum

Reexamined species - Paris (H. Com & H. Gay) find the flowers consist
rather large, oblong, obtuse, smooth - Lobes of only ~~x~~ ^{the} ~~decalvans~~
divided below the middle, obtuse, shorter than tube of Corolla.

MISSOURI BOTANICAL GARDEN

GEORGE ENGELMANN PAPERS

C. macrorhizon Held & Kotsch. Capitell. capitulis densis
magis solis basi bracteis sessiles fallit. flor. steril
nonnullis ad basi i. j. ped. brev. pedicill. vel lobis
onto triangulans obtusis solis ex. tubo subbrevisib.
loris ort. arcuatus; anthers filo ante tubae
longis rubris oblongis anterius; stylis capillaceis
aegre longis.

Diffr. ab Epithym., ciliis tenui attenuato
colori obtusis orbibus, anthers magis exsertis; corolla
limbo patentissima.

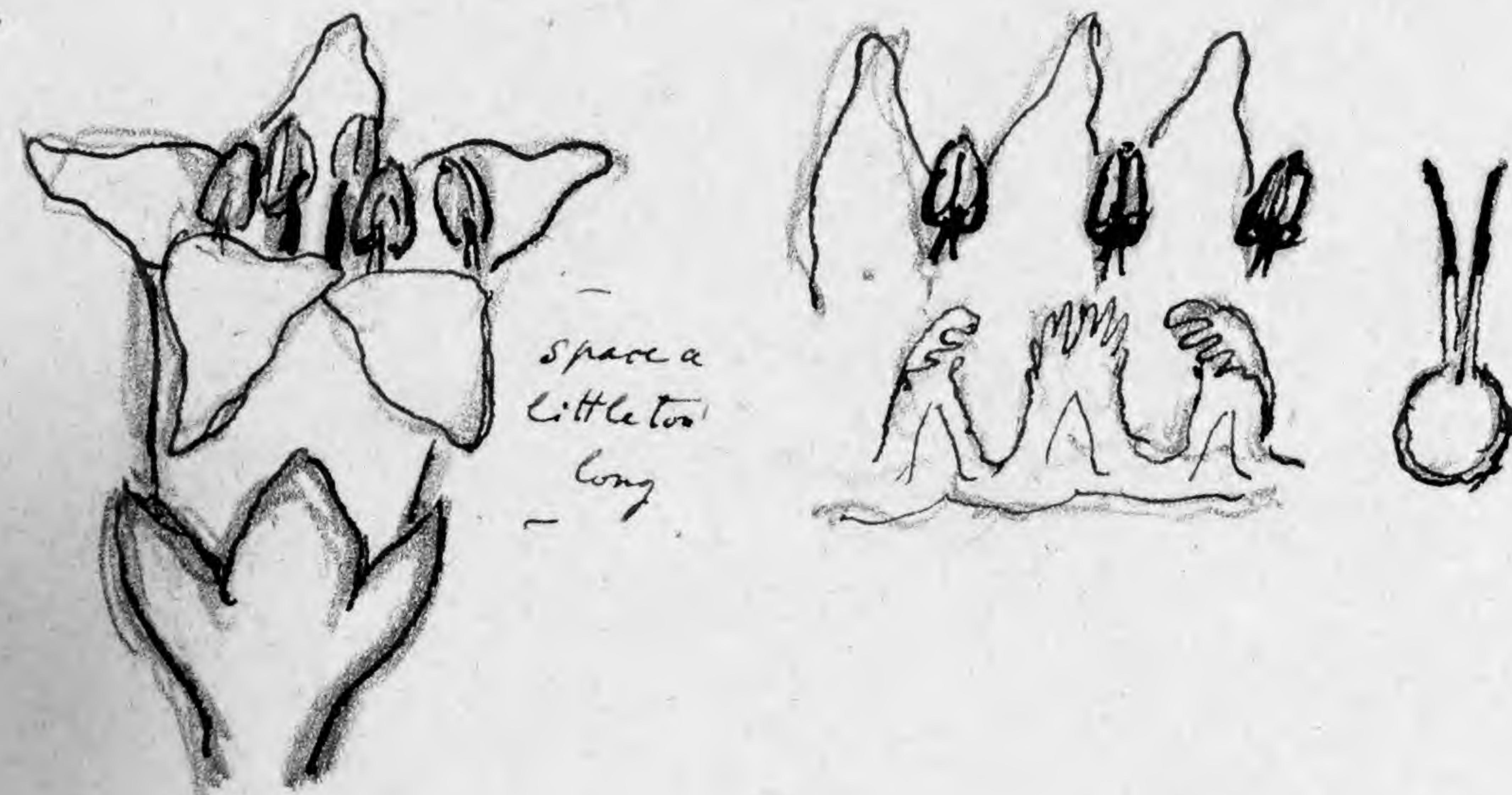


0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN



Ceratost. Callipes

: Swiss. Diagn. 2. p. 128
in *Daphne bux-folia*

Parnassus

leg. Guérivard. 1855

Héderlin.

is nothing but *C. Epithymum*
with a short clypeus, scales
large, stigma as long as style.
There is no difference at all
from the common form.

Anthers large, filaments shorter



0 1 2 3 4 5 6 7 8 9 10
cm

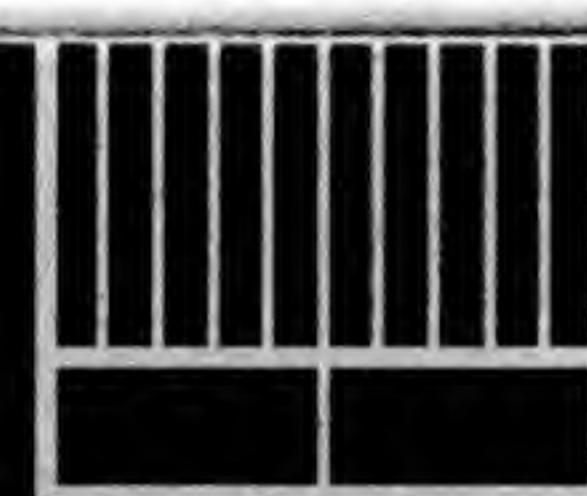
copyright reserved



MISSOURI
BOTANICAL
GARDEN

4334

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PLATES



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

C. capitatus

C. Calligeres ^{Donn. & Gray} *capitalis*, *obtectatis*; fl. steril nulli; pedicella
calyx aequi longo, obconvo *corolla* tuba *disinde* aegre
lata convolv. oblonga, *triangularis*

ab *Eriothrix* — *capitalis* *obtectatis*, floribus distincte pedicellis
 base distincta,!



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4385



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

Paris July 1858



Cassia Epiphyllum
or *Alexandrinus*,
Marsden Dayles,

S. & W. Hook
in Herbarium Paris

This is a very popular variety
with very short ^{rounded} obtuse, largely
imbricate calyx lobes, exsert tube,
expanded limb, lobes broad, oval
widely acute; styles of the same
character. Petals short



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4336



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

Paris July 1857



Cassata

Monte Cervione Corsica
in Genista lobata

L Kralik 14 July 1859

Hab. Sonn 54 Herb. Gay

This seems to be exactly the plant described and figured in No 136 for the hothouses of Freiburg — It is very well distinguished from the common *C. Epithymum*, by the small few-flowered loose heads, the short fleshy calyx & the ovary larger away, and proportionately shorter styles and the more elongated anthers.

It unites *C. oblonga* (fig 263 & 253) with *C. Epithymum*. —

Heads very few flowered, few pedicels same as *oblonga*, ovary anthers a little shorter lobes of calyx & corolla more acute



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4337

MISSOURI BOTANICAL GARDEN
GEORGE Engelmann PAPERS



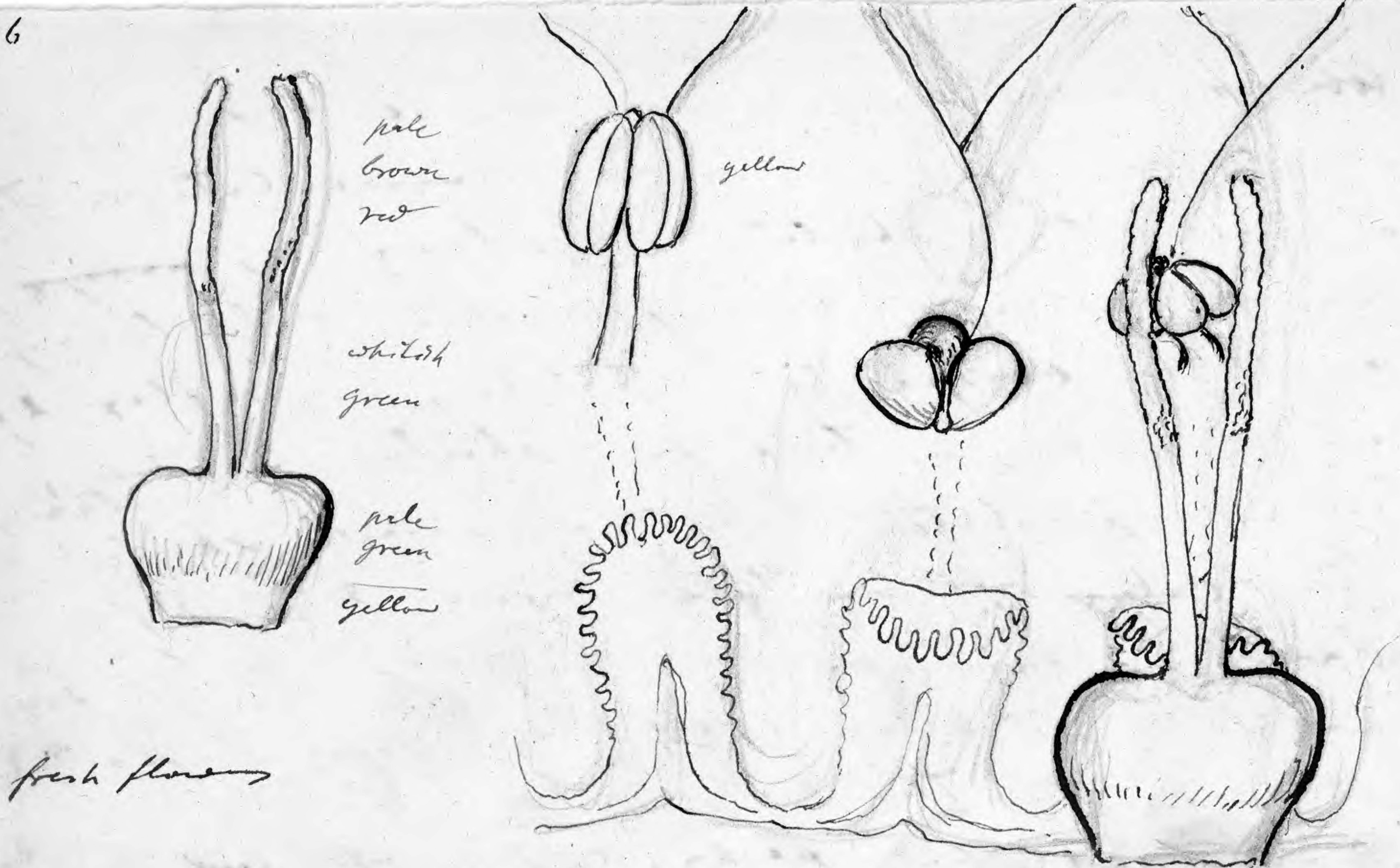
0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

296



fresh flowers

Cuscuta Epiphyllum, on *Eruca vulgaris*, Bois de Fontainebleau
July 19 1857



0 1 2 3 4 5 6 7 8 9 10

cm

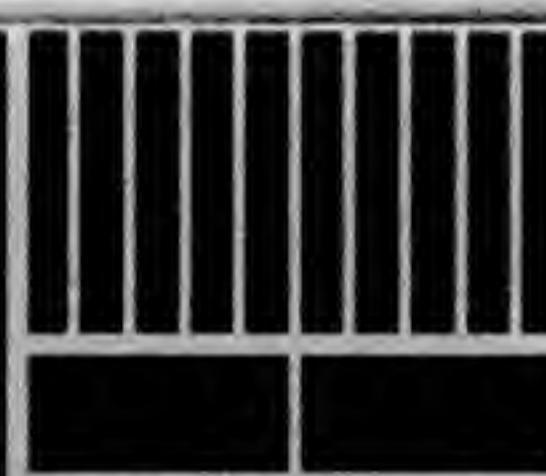
copyright reserved



MISSOURI
BOTANICAL
GARDEN

Flowers almost sessile, attenuate at base,
calyx lobes deeply divided ovate lanceolate, acute
or acuminate shorter or as long as ~~the~~
tube of Corolla, lobes of corolla ovate triangular
acute or ~~obtuse~~, patent or reflexed,
nearly as long as tube or shorter. ~~stems~~
yellow, apiculate; scales much shorter
than ~~calyx~~ flower tube insinuated, style
longer as long as depressed ovary, as long as
anthers when in full flower, reaching to the
stigmata to the midline, longer afterwards

Lower part of ovary fleshy, compact, upper part forms the
ovary proper and contains the 4 ovules.



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

Cast p. 462

C. Epithymum

B. macrantha

C. Macrantha Heller & Sart.

Coll. opus

-119

-136

-153 Willk. 52. a

-170 C. macrantha

-171 C. Collopus

-255

-264

-277 Hawaii 1366

~~280~~

282

-283

Enclosed 12-21)



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN

4339

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10
cm

copyright reserved



MISSOURI
BOTANICAL
GARDEN